AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-8.   (CANCELED)..

9.   (PREVIOUSLY PRESENTED)   An image data processing apparatus comprising:

a parameter setting unit which sets a parameter representing contents of a predetermined image processing to be executed on image data;

a data saving unit which saves the image data and the parameter together with relating information;

a data acquiring unit which acquires the image data and the parameter by referring to the relating information; and

an image processing reproducing unit which obtains image data subjected to the specified image processing based on the acquired image data and parameter;

wherein the parameter is divided into a plurality of sets and the sets of parameters are separately used depending on a situation of a pixel.

10.   (PREVIOUSLY PRESENTED)   An image data processing apparatus comprising:

a parameter setting unit which sets a parameter representing contents of a predetermined image processing to be executed on image data;

a data saving unit which saves the image data and the parameter together with relating information;

a data acquiring unit which acquires the image data and the parameter by referring to the

relating information; and

an image processing reproducing unit which obtains image data subjected to the specified

image processing based on the acquired image data and parameter;

wherein the data saving unit can partition a storage region as a hierarchical structure and the

image data and the parameter are divided with the hierarchical structure.

11.   (PREVIOUSLY PRESENTED)   An image data processing apparatus comprising:

a parameter setting unit which sets a parameter representing contents of a predetermined image

processing to be executed on image data;

a data saving unit which saves the image data and the parameter together with relating

information;

a data acquiring unit which acquires the image data and the parameter by referring to the

relating information; and

an image processing reproducing unit which obtains image data subjected to the specified

image processing based on the acquired image data and parameter;

wherein the data saving unit relates and saves thumb nail data of the image data together with

the parameter.

12.   (PREVIOUSLY PRESENTED)   An image data processing apparatus comprising:

a parameter setting unit which sets a parameter representing contents of a predetermined image

processing to be executed on image data;

a data saving unit which saves the image data and the parameter together with relating

information;

a data acquiring unit which acquires the image data and the parameter by referring to the

relating information; and

an image processing reproducing unit which obtains image data subjected to the specified

image processing based on the acquired image data and parameter;

wherein the parameter setting unit sets contents of an image processing based on a result

obtained by statistically analyzing the image data.

13-23 (CANCELED).

24. (CURRENTLY AMENDED) A <u>computer readable</u> medium recording an image data

processing program for causing a computer to execute an image processing on image data,

comprising:

a parameter setting step of setting a parameter representing contents of a predetermined image

processing to be executed on image data;

a data saving step of saving the image data and the parameter together with relating

information;

a data acquiring step of acquiring the image data and the parameter by referring to the relating

information; and

an image processing reproducing step of obtaining image data subjected to the specified image

processing based on the acquired image data and parameter;

wherein the parameter is divided into a plurality of sets and the sets of parameters are

separately used depending on a situation of a pixel.

25.   (CURRENTLY AMENDED)   A computer readable medium recording an image data

processing program for causing a computer to execute an image processing on image data,

comprising:

a parameter setting step of setting a parameter representing contents of a predetermined image

processing to be executed on image data;

a data saving step of saving the image data and the parameter together with relating

information;

a data acquiring step of acquiring the image data and the parameter by referring to the relating

information; and

an image processing reproducing step of obtaining image data subjected to the specified image

processing based on the acquired image data and parameter;

wherein the data saving step utilizes a storage region which can be partitioned as a hierarchical

structure and the image data and the parameter are divided with the hierarchical structure.

26.   (CURRENTLY AMENDED)   A computer readable medium recording an image data

processing program for causing a computer to execute an image processing on image data,

comprising:

a parameter setting step of setting a parameter representing contents of a predetermined image

processing to be executed on image data;

a data saving step of saving the image data and the parameter together with relating

information;

a data acquiring step of acquiring the image data and the parameter by referring to the relating

information; and

an image processing reproducing step of obtaining image data subjected to the specified image

processing based on the acquired image data and parameter;

wherein the data saving step relates and saves thumb nail data of the image data together with

the parameter.

27.   (CURRENTLY AMENDED)   A computer readable medium recording an image data

processing program for causing a computer to execute an image processing on image data,

comprising:

a parameter setting step of setting a parameter representing contents of a predetermined image

processing to be executed on image data;

a data saving step of saving the image data and the parameter together with relating

information;

a data acquiring step of acquiring the image data and the parameter by referring to the relating

information; and

an image processing reproducing step of obtaining image data subjected to the specified image

processing based on the acquired image data and parameter;

wherein the image data are read and written on a storage device differently from the parameter

at the data saving step and the data acquiring step.

28-32 (CANCELED).

33.   (PREVIOUSLY PRESENTED)   An image data processing method in which a parameter

representing contents of a predetermined image processing to be executed on image data is set,

the image data and the parameter are saved together with relating information, and the image

data and the parameter are acquired by referring to the relating information, and image data

subjected to the specified image processing are obtained based on the acquired image data and

parameter; wherein thumb nail data of the image data are related and saved together with the

parameter.

34.   (PREVIOUSLY PRESENTED)   'An image data processing method in which a parameter

representing contents of a predetermined image processing to be executed on image data is set,

the image data and the parameter are saved together with relating information, and the image

data and the parameter are acquired by referring to the relating information, and image data

subjected to the specified image processing are obtained based on the acquired image data and

parameter; wherein the image data are statistically analyzed and contents of an image processing

are set based on a result of the analysis.

35-36. (CANCELED).

37.   (PREVIOUSLY PRESENTED)   An image data processing apparatus comprising:

   a parameter setting unit which sets a parameter representing contents of a predetermined image

       processing to be executed on image data; and

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a data saving unit which saves the image data and the parameter together with relating

information;

wherein the parameter is divided into a plurality of sets and the sets of parameters are

separately used depending on a situation of a pixel.

38.   (PREVIOUSLY PRESENTED)   An image data processing apparatus comprising:

a parameter setting unit which sets a parameter representing contents of a predetermined image

processing to be executed on image data; and

a data saving unit which saves the image data and the parameter together with relating

information;

wherein the data saving unit can partition a storage region as a hierarchical structure and the

image data and the parameter are divided with the hierarchical structure.

39.   (PREVIOUSLY PRESENTED)   An image data processing apparatus comprising:

a parameter setting unit which sets a parameter representing contents of a predetermined image

processing to be executed on image data; and

a data saving unit which saves the image data and the parameter together with relating

information;

wherein the data saving unit relates and saves thumb nail data of the image data together with

the parameter.

40.   (CURRENTLY AMENDED) An image data processing apparatus comprising:

a parameter setting unit which sets a parameter representing contents of a predetermined image

processing to be executed on image data; and

a data saving unit which saves the image data and the parameter together with relating

information;

wherein the ~~parameter setting unit sets contents of an image processing based on a result~~

~~obtained by statistically analyzing the image data~~image data are managed on a storage

device differently from the parameter.

41.   (PREVIOUSLY PRESENTED) An image data processing apparatus in which a parameter

representing contents of a predetermined image processing to be executed on image data and the

image data are saved together with mutual relating information, the apparatus comprising:

a data acquiring unit which acquires the image data and the parameter by referring to the

relating information; and

an image processing reproducing unit which obtains image data subjected to the specified

image processing based on the acquired image data and parameter;

wherein the parameter is divided into a plurality of sets and the sets of parameters are

separately used depending on a situation of a pixel.

42.   (PREVIOUSLY PRESENTED) An image data processing apparatus in which a parameter

representing contents of a predetermined image processing to be executed on image data and the

image data are saved together with mutual relating information, the apparatus comprising:

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a data acquiring unit which acquires the image data and the parameter by referring to the

relating information; and

an image processing reproducing unit which obtains image data subjected to the specified

image processing based on the acquired image data and parameter;

wherein the data saving unit can partition a storage region as a hierarchical structure and the

image data and the parameter are divided with the hierarchical structure.

43.   (PREVIOUSLY PRESENTED) An image data processing apparatus in which a parameter

representing contents of a predetermined image processing to be executed on image data and the

image data are saved together with mutual relating information, the apparatus comprising:

a data acquiring unit which acquires the image data and the parameter by referring to the

relating information; and

an image processing reproducing unit which obtains image data subjected to the specified

image processing based on the acquired image data and parameter;

wherein the data saving unit relates and saves thumb nail data of the image data together with

the parameter.

44.   (PREVIOUSLY PRESENTED) An image data processing apparatus in which a parameter

representing contents of a predetermined image processing to be executed on image data and the

image data are saved together with mutual relating information, the apparatus comprising:

a data acquiring unit which acquires the image data and the parameter by referring to the

relating information; and

an image processing reproducing unit which obtains image data subjected to the specified image processing based on the acquired image data and parameter;

wherein the ~~parameter setting unit sets contents of an image processing based on a result obtained by statistically analyzing the image data~~image data are managed on a storage device differently from the parameter.

45.   (PREVIOUSLY PRESENTED) A <u>computer readable </u>medium recording an image data processing program for causing a computer to execute an image processing on image data, comprising:

a parameter setting step of setting a parameter representing contents of a predetermined image processing to be executed on image data; and

a data saving step of saving the image data and the parameter together with relating information;

wherein the parameter is divided into a plurality of sets and the sets of parameters are separately used depending on a situation of a pixel.

46.   (PREVIOUSLY PRESENTED) A <u>computer readable </u>medium recording an image data processing program for causing a computer to execute an image processing on image data, comprising:

a parameter setting step of setting a parameter representing contents of a predetermined image processing to be executed on image data; and

a data saving step of saving the image data and the parameter together with relating information;

wherein the data saving step utilizes a storage region which can be partitioned as a hierarchical

structure and the image data and the parameter are divided with the hierarchical structure.

47.   (CURRENTLY AMENDED) A computer readable medium recording an image data

processing program for causing a computer to execute an image processing on image data,

comprising:

   a parameter setting step of setting a parameter representing contents of a predetermined image

      processing to be executed on image data; and

   a data saving step of saving the image data and the parameter together with relating

      information;

   wherein the data saving step relates and saves thumb nail data of the image data together with

      the parameter.

48.   (CURRENTLY AMENDED) A computer readable medium recording an image data

processing program for causing a computer to execute an image processing on image data,

comprising:

   a parameter setting step of setting a parameter representing contents of a predetermined image

      processing to be executed on image data; and

   a data saving step of saving the image data and the parameter together with relating

      information;

   wherein the image data are read and written on a storage device differently from the parameter

      at the data saving step and the data acquiring step.

49.   (CURRENTLY AMENDED) A medium, recording an image data processing program, for causing a computer to execute an image processing on image data, with a parameter representing contents of a predetermined image processing to be executed on image data and the image data being saved together with mutual relating information, the medium comprising:

a data acquiring step of acquiring the image data and the parameter by referring to the relating information; and

an image processing reproducing step of obtaining image data subjected to the specified image processing based on the acquired image data and parameter;

wherein the parameter is divided into a plurality of sets and the sets of parameters are separately used depending on a situation of a pixel.

50.   (CURRENTLY AMENDED) A computer readable medium, recording an image data processing program, for causing a computer to execute an image processing on image data, with a parameter representing contents of a predetermined image processing to be executed on image data and the image data being saved together with mutual relating information, the medium comprising:

a data acquiring step of acquiring the image data and the parameter by referring to the relating information; and

an image processing reproducing step of obtaining image data subjected to the specified image processing based on the acquired image data and parameter;

wherein the data saving step utilizes a storage region which can be partitioned as a hierarchical structure and the image data and the parameter are divided with the hierarchical structure.

51.   (CURRENTLY AMENDED) A <u>computer readable</u> medium, recording an image data processing program, for causing a computer to execute an image processing on image data, with a parameter representing contents of a predetermined image processing to be executed on image data and the image data being saved together with mutual relating information, the medium comprising:

> a data acquiring step of acquiring the image data and the parameter by referring to the relating information; and

> an image processing reproducing step of obtaining image data subjected to the specified image processing based on the acquired image data and parameter;

> wherein the data saving step relates and saves thumb nail data of the image data together with the parameter.

52.   (CURRENTLY AMENDED) A <u>computer readable</u> medium, recording an image data processing program, for causing a computer to execute an image processing on image data, with a parameter representing contents of a predetermined image processing to be executed on image data and the image data being saved together with mutual relating information, the medium comprising:

> a data acquiring step of acquiring the image data and the parameter by referring to the relating information; and

> an image processing reproducing step of obtaining image data subjected to the specified image processing based on the acquired image data and parameter;

> wherein the image data are read and written on a storage device differently from the parameter at the data saving step and the data acquiring step.

53.   (CURRENTLY AMENDED) An image data processing method in which a parameter representing contents of a predetermined image processing to be executed on image data is set and the image data and the parameter are saved together with relating information; wherein the image data are managed on a storage device differently from the parameter~~image data are statistically analyzed and contents of an image processing are set based on a result of the analysis~~.

54.   (CURRENTLY AMENDED)   An image data processing method in which a parameter representing contents of a predetermined image processing to be executed on image data and the image data are saved together with mutual relating information, and the image data and the parameter are acquired by referring to the relating information, and image data subjected to the specified image processing are obtained based on the acquired image data and parameter; wherein the image data are managed on a storage device differently from the parameter~~image data are statistically analyzed and contents of an image processing are set based on a result of the analysis~~.